



# THE CRANES EXAMINATIONS BOARD

*"Ever Forward"*

P.7 STANDARD EXAMINATIONS 2025  
(SET 11)

## MATHEMATICS

*Time allowed: 2 Hours 30 Minutes*

Random No.	Personal No.

**CANDIDATE'S NAME:**.....

**CANDIDATE'S SIGNATURE:**.....

**DISTRICT NAME:**.....

**Read the following instructions carefully:**

1. This paper has **two** sections: **A** and **B**.
2. Section **A** has **40** questions (**40 marks**)
3. Section **B** has **12** questions (**60 marks**)
4. Answer **all** questions . all answers to both sections **A** and **B** **must** be written in the spaces provided.
5. **All** answers must be written using a **blue** or **black ball point pen** or **ink**. Diagrams should be drawn in a pencil.
6. **Unnecessary** changes in your work may lead to **loss** of marks.
7. Any handwriting that **cannot** be easily read may lead to **loss** of marks.
8. **Do not** fill anything in the table indicated: "**FOR EXAMINERS' USE ONLY**" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No	MARKS	EXR'S No.
1 – 10		
11 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		
<b>TOTAL</b>		

**TURN OVER**

**LOCATION: KANSANGA-KL'A +256-762136454**

## **SECTION: A**

Answer **all** questions **in** this section.

Questions **1** to **20** carry **two** marks each.

1. Divide: **27** by **3**

2. List the first four multiples of **9**.

3. Express **129** in Roman numerals.

4. Subtract: **335<sub>five</sub>** from **624<sub>five</sub>**

5. Express **4.05** kilograms to grammes.

6. In Nakasero market, Angela buys **4** mangoes at **shs.4,800**. How many similar mangoes does Angela buy at **shs.9600** ?
7. Round off **5.359** to the nearest tenths.
8. Using a ruler, pencil and a pair of compasses only, construct an angle of **105°**.
9. Solve for **x**:  **$4(x - 5) = 60$**
10. Write **303,097** in words.



11. The bearing of Kampala from Mbale is  **$125^{\circ}$** . Find the bearing of Mbale from Kampala.
12. Rachael deposited **shs.960,000** in Equity Bank at a rate **14%** per annum for **5** months. Find the simple interest Rachael.
13. The average of **3, 5, 4, 7, 9, 5** and **w** is **5**. Find the value of **w**.
14. A dice is tossed once. Find the probability of getting an even number on top.



15. How many **0.5** litres can be got from a **30** litre jerrycan ?

**TURN OVER**

16. Simplify;  **$2.4 \times 1.6 - 0.2$**

17. Expand **24.67** using values.

18. Given that set **G= {a, b, c, d}**, Find the number of proper subsets in set **G**.

19. Simplify:  **$6k + 4a - 3k - 5a$**

20. Arrange **-2, +5, +4, -3, 0, -1** and **+2** in descending order.

## **SECTION B: 60 MARKS**

Answer **all** questions in **this** section.

Marks for **each** question are **indicated** in brackets.

21. Joshua travelled from Iganga town to Jinja town at a speed of **90km/hr** for **2hrs**. Then he went to lugazi town from Jinja town at a speed of **60km/hr** in **4hrs**. Calculate the average speed for the whole journey.

*(5 marks)*

- 22.(a) Convert **24<sub>ten</sub>** to base four.

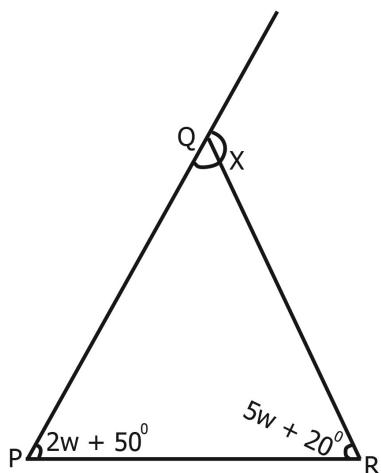
*(2 marks)*



(b) IF  $2y = 1011_{\text{two}}$ . Find the value of  $y$ .

(3 marks)

23. Study the diagram below and use it to answer the question.



(a) Find the value of  $w$ .

(3 marks)

(b) Calculate the size of angle x.

(2 marks)



24. Given the numeral **6, 3** and **8**.

(a) Write the three digit numbers that can be formed. *(2 marks)*

(b) Find the sum of the biggest and smallest three digit numbers formed.

*(2 marks)*

(c) Find the range.

*(1 mark)*

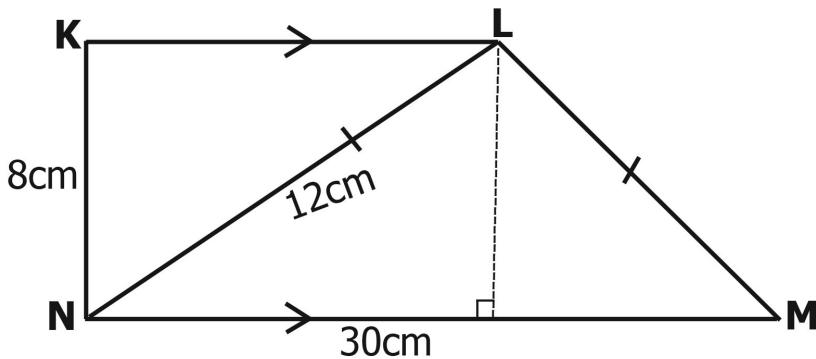
25.(a) Work out:  $2x - 2 > \frac{1}{5}x + 16$  *(3 marks)*



(b) Solve for  $y$  and give the solution set;  $15 > 3y > 9$

(2 marks)

26. The figure below is made up of two triangles **KLN** and **LMN** where **NM=30cm**, **YM=YN**, **KN=8cm**



(a) Find the area of the figure **KLN**.

(2 marks)

(3 marks)

(b) Calculate the area of the figure **KLMN**.

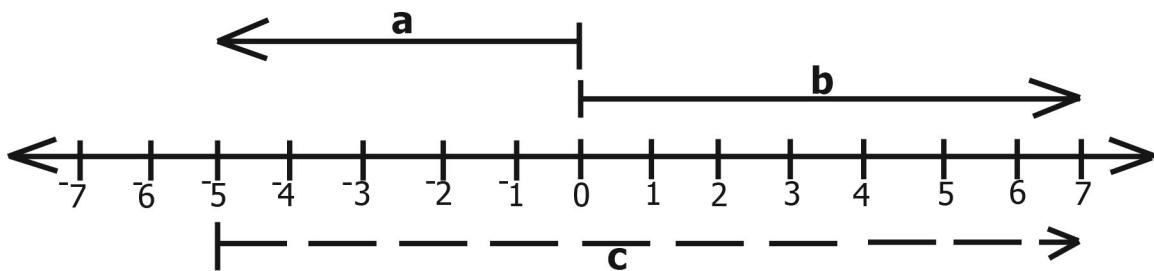
27.(a) Find the radius of a circle whose area is **154cm<sup>2</sup>**.

(3 marks)

(b) Calculate the distance of the circle.

(2 marks)

28. Study the number line below and use it to answer the questions that follow



(a) Write the integers represented by the arrows ?

(1 mark each)

(i) **a**=.....

(ii) **b**=.....

(iii) **c**=.....

(b) Write a mathematical statement for the above number line.



29. Study the shopping bill and fill in correctly.

ITEM	QUANTITY	COST PRICE	AMOUNT
Sugar	$3\frac{1}{2}$ kg	shs. _____	shs. 14,000
Meat	2kg	shs. 8,000	shs. 16,000
Rice	$2\frac{1}{2}$ kg	shs. 3,800	shs. 9,500
Milk	250ml	shs. 2,000	shs. _____
	<b>Total</b>		<b>shs. _____</b>

(a) Complete the table above correctly.

(3 marks)

(b) If Jacob was given a discount of **10%** on the items, find how much money he used.

(2 marks)

30.(a) Work out using the abacus: **465 - 230**

(3 marks)



(b) Add: **147936 + 2178**

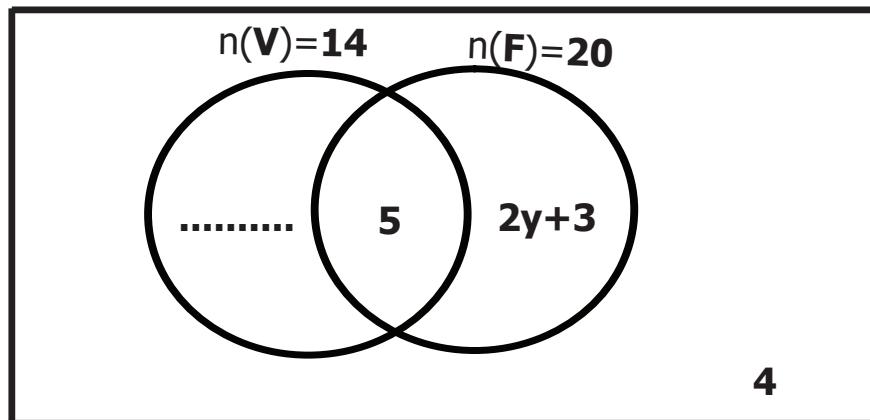
(2 marks)

31. Study the Venn diagram below and use it to answer the question that follow.

(a) Complete the table below.

(2 marks)

$$n(\Sigma) = \dots\dots\dots$$



(b) Find the value of  $y$ .

(2 marks)

(b) Find  $n(F - V)$

(1 mark)

32. In Buwenge Primary School of 360 pupils,  $\frac{1}{4}$  of the school are boys,  $\frac{1}{2}$  of the  
boys and  $\frac{1}{3}$  of the girls are boarders.

How many pupils are in the boarding section ?

(5 marks)



**ABOUT THE CRANES EXAMINATIONS BOARD:**

- We are located in Kansanga-Kampala on GABA ROAD just near GALAXY F.M
- We have **HIRE UNEB EXAMINERS** from the best performing schools. That is:-
  - 1. Muwonge Ahmed(EXAMINER-MTC)
  - 2. Mpoza Emmie(EXAMINER-SST)
  - 3. Mukisa David(EXAMINER-SCIENCE)
  - 4. Ochudanga Amos(ENGLISH-EXAMINER)

